

## ABSTRACT

A control system for an electrical substation for transmission and distribution of electrical energy and equipment, comprising  
5 equipment for control, measurement, monitoring and protection of the substation. The control system comprises a substantially common bus means for communicating measurements and signals and between transmission and distribution equipment and functions for control, measurement, monitoring and protection run in computing  
10 means. Real time access for all measurement signals is enabled by the invention. More effective operation control is achieved with reduced cabling and duplication of hardware.

(FIGURE 3)